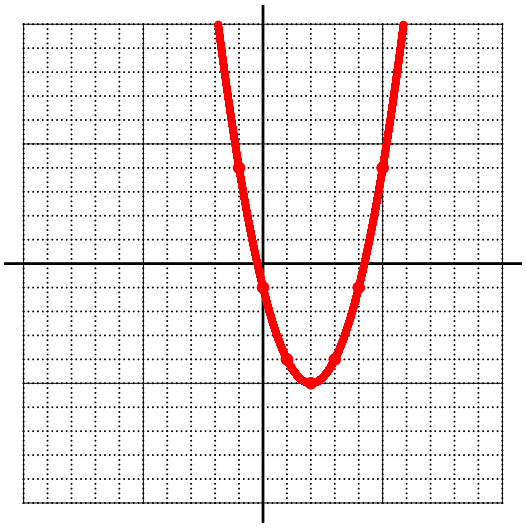
Name: Date:

PCW_09_29 SOLUTION: Graph Parent Translations (version 17)

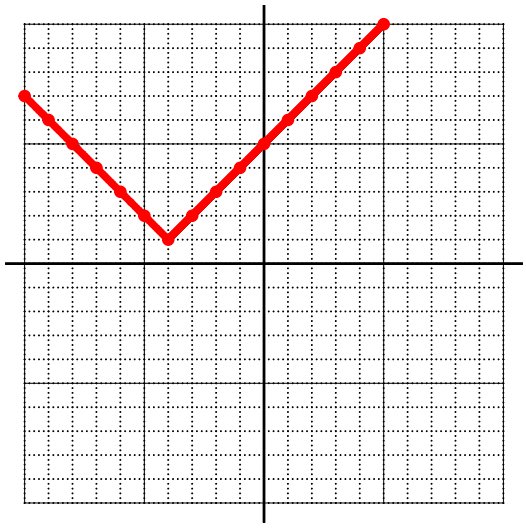
Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10.

Clearly mark every solution where x and y are both integers with a small dot along the curve.

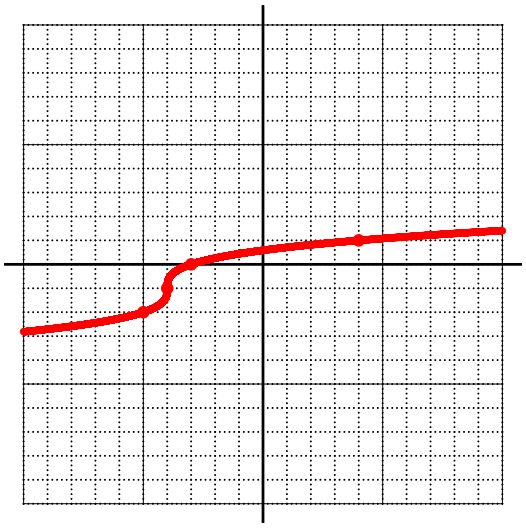
$y = (x-2)^2 - 5$



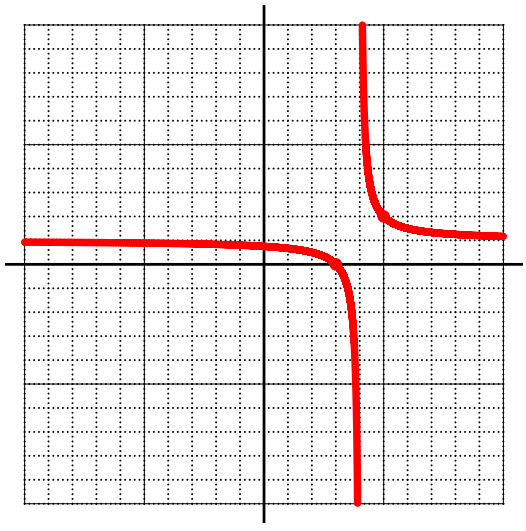
$y = |x+4| + 1$



$y = \sqrt[3]{x+4} - 1$

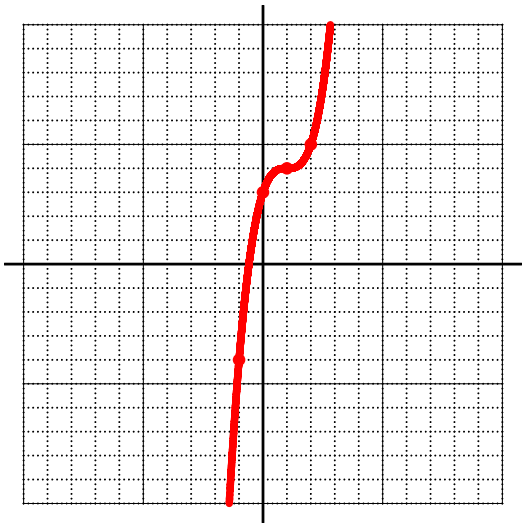


$y = \frac{1}{x-4} + 1$

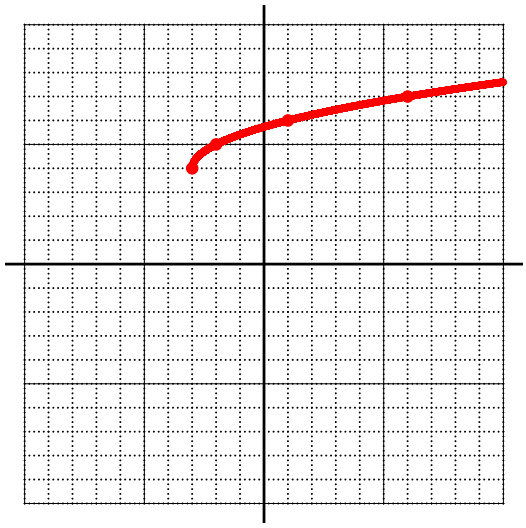


PCW_09_29 SOLUTION: Graph Parent Translations (version 17)

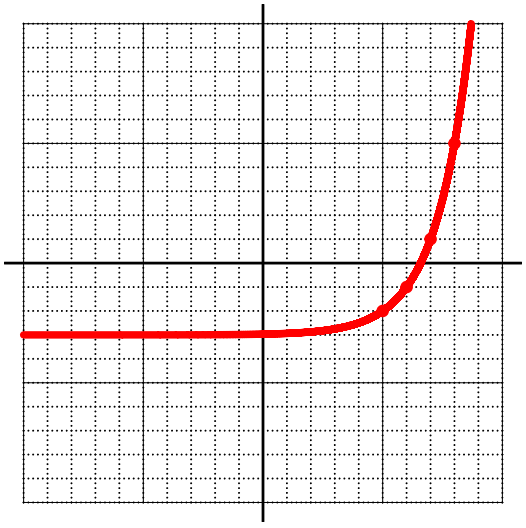
$y = (x-1)^3 + 4$



$y = \sqrt{x+3} + 4$



$y = 2^{x-5} - 3$



$y = \log_2(x+4) - 1$